

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
 International Bureau



(43) International Publication Date  
 14 August 2003 (14.08.2003)

PCT

(10) International Publication Number  
**WO 03/066339 A1**

(51) International Patent Classification<sup>7</sup>: **B41M 5/38**,  
 5/40, G03F 3/10, G02B 5/20

(21) International Application Number: PCT/US03/03432

(22) International Filing Date: 4 February 2003 (04.02.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
 60/354,633 6 February 2002 (06.02.2002) US

(71) Applicant (for all designated States except US): **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WALLACE, Easley, Jr.** [US/US]; 100 Odessa Way, Newark, DE 19711 (US).  
**WEED, Gregory, C.** [US/US]; RD1 Box 122B, Towanda, PA 18848 (US).

(74) Agent: **SINNOTT, Jessica, M.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 4417 Lancaster Pike, Wilmington, DE 19805 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMAGE TRANSFER ELEMENT, LASER ASSEMBLAGE AND PROCESS FOR THERMAL IMAGING

(57) Abstract: The present invention relates to an image transfer element for thermally induced image transfer, a laser assemblage and a process for producing a thermal image. More particularly, the present invention relates to an image transfer element comprising a colorant layer that contains a metal salt, a laser assemblage containing the image transfer element and process for producing a thermal image utilizing the image transfer element.

WO 03/066339 A1